

## CLAIMS

1. A display apparatus for wirelessly receiving at least (i) a recognition information signal for determining whether or not the display apparatus is identified with a wireless transmitting apparatus and (ii) a video signal,

the display apparatus, comprising:

wireless receiving means for receiving the recognition information signal and the video signal that are wirelessly transmitted;

detecting means for carrying out detection of the recognition information signal;

display means for displaying an image in accordance with at least the video signal;

storage means for storing display information indicating that it is not possible to receive a signal; and

display control means for, when the video signal is not normally received, causing the display means to display one of a plurality of poor reception information that are based on the display information,

the poor reception information of which the display control means causes a display differs according to a result of the detection carried out by the detecting means.

2. The display apparatus as set forth in claim 2, wherein:

when the detecting means detects another recognition information signal that is different from a recognition information signal set in the display apparatus, the display control means causes the display means to display first poor reception information; and

when the detecting means does not detect said another recognition information signal, the display control means causes the display means to display second poor reception information that is different from the first poor reception information.

3. The display apparatus as set forth in claim 1 or 2, wherein:

the first poor reception information and the second poor reception information are displayed in different display formats.

4. The display apparatus as set forth in any one of claims 1 to 3, further comprising:

operation means for carrying out an operation with respect to the display apparatus; and

storage means for storing display information indicating that the operation is invalid,

wherein:

when the operation means carries out the operation

under a state in which the video signal is not normally received, the display control means (i) invalidates the operation and (ii) causes the display means to display one of a plurality of invalid operation information that are based on the display information indicating that the operation is invalid.

5. The display apparatus as set forth in claim 4, wherein:

the invalid operation information of which the display control means causes a display differs according to the result of the detection carried out by the detecting means.

6. The display apparatus as set forth in claim 5, wherein:

when the detecting means detects said another recognition information signal that is different from the recognition information signal set in the display apparatus, the display control means causes the display means to display first invalid operation information; and

when the detecting means does not detect said another recognition information signal, the display control means causes the display means to display second invalid operation information that is different from the first

invalid operation information.

7. The display apparatus as set forth in claim 6, wherein:

the first invalid operation information and the second invalid operation information are displayed in the different display formats.

8. A wireless transmitting and receiving system for wirelessly transmitting and receiving at least (i) a recognition information signal for identifying the wireless transmitting and receiving system and (ii) a video signal,

the wireless transmitting and receiving system, comprising:

a wireless transmitting apparatus for wirelessly transmitting the recognition information signal and the video signal; and

a display apparatus, which includes:

wireless receiving means for receiving the recognition information signal and the video signal;

detecting means for carrying out detection of the recognition information signal;

display means for displaying an image in accordance with at least the video signal;

storage means for storing display information

indicating that it is not possible to receive a signal; and

display control means for, when the video signal is not normally received, causing the display means to display one of a plurality of poor reception information that are based on the display information,

the poor reception information of which the display control means causes a display differs according to a result of the detection carried out by the detecting means.

9. The wireless transmitting and receiving system as set forth in claim 8, wherein:

when the detecting means detects another recognition information signal that is different from the recognition information signal transmitted from the wireless transmitting apparatus, the display control means causes the display means to display first poor reception information; and

when the detecting means does not detect said another recognition information signal, the display control means causes the display means to display second poor reception information that is different from the first poor reception information.

10. The wireless transmitting and receiving system as set forth in claim 8 or 9, wherein:

the first poor reception information and the second poor reception information are displayed in different display formats.

11. The wireless transmitting and receiving system as set forth in any one of claims 8 to 10, further comprising:

operation means for carrying out an operation with respect to the display apparatus; and

storage means for storing display information indicating that the operation is invalid,

wherein:

when the operation means carries out the operation under a state in which the video signal is not normally received, the display control means (i) invalidates the operation and (ii) causes the display means to display one of a plurality of invalid operation information that are based on the display information indicating that the operation is invalid.

12. The wireless transmitting and receiving system as set forth in claim 11, wherein:

the operation invalid information of which the display control means causes a display differs according to a result of the detection carried out by the detecting

means.

13. The wireless transmitting and receiving system as set forth in claim 12, wherein:

when the detecting means detects said another recognition information signal that is different from the recognition information signal transmitted from the wireless transmitting apparatus, the display control means causes the display means to display first invalid operation information ; and

when the detecting means does not detect said another recognition information signal, the display control means causes the display means to display second invalid operation information that is different from the first invalid operation information.

14. The wireless transmitting and receiving system as set forth in claim 13, wherein:

the first invalid operation information and the second invalid operation information are displayed in the different display formats.

15. A display apparatus for wirelessly receiving at least (i) a recognition information signal for determining whether or not the display apparatus is identified with a

wireless transmitting apparatus and (ii) a video signal;

the display apparatus, comprising:

display means for carrying out a display in accordance with at least the video signal;

wireless receiving means for receiving at least the recognition information signal and the video signal each transmitted wirelessly;

recognition information signal detection means for detecting the recognition information signal of the signals received by the wireless receiving means; and

display control means for outputting a signal causing the display means to display display information which indicates that it is not possible to receive a signal and whose display format is changed according to the recognition information signal detected by the recognition information signal detection means.

16. The display apparatus as set forth in claim 15, wherein:

the jamming signal information outputting means sends the poor signal reception information to superimposition display means for displaying the poor signal reception information such that the poor signal reception information is superimposed onto the image displayed by the display means.



17. A display apparatus for (i) wirelessly receiving at least a video signal so as to display an image,

the display apparatus, comprising:

recognition information signal detection means for detecting, from received signals, at least a recognition information signal for determining whether or not the display apparatus is identified with a wireless transmitting apparatus.

18. A display method for wirelessly receiving at least a video signal so as to display an image in accordance with the video signal,

the display method, comprising:

a first step of determining whether or not the video signal that is wirelessly transmitted is unable to be received;

a second step of, when it is determined in the first step that the video signal is unable to be received, at least making a determination as to whether or not a recognition information signal for determining whether or not a display apparatus is identified with a wireless transmitting apparatus is identical to a predetermined recognition information signal; and

a third step of displaying, in accordance with a result of the determination made in the second step, that

it is not possible to receive a signal.

19. A control display program for wirelessly receiving at least a video signal so as to display an image in accordance with at least the video signal,

the display control program causing a computer to carry out:

a procedure of judging whether it is not possible to receive the video signal wirelessly transmitted,

the first step of determining whether or not the video signal transmitted wirelessly is unable to be normally received;

the second step of, when it is determined in the first step that the video signal is unable to be normally received, at least making a determination as to whether or not a recognition information signal for determining whether or not a display apparatus is identified with a wireless transmitting apparatus is identical to a predetermined recognition information signal; and

the third step of displaying, in accordance with a result of the determination made in the second step, that it is not possible to receive a signal.

20. A computer-readable recording medium storing the display control program as set forth in claim 19.